



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

9555
Ser: 05P4/137
5 November 2004

From: Commander, Naval Sea Systems Command

Subj: ADVANCE CHANGE NOTICE (ACN) 2/A TO NSTM 079V2R2 - CHANGES TO DAMAGE CONTROL MANUAL PLOTTING

Ref: (a) Naval Ships' Technical Manual, NAVSEA S9086-CN-STM-020, Chapter 079, Volume 2 "PRACTICAL DAMAGE CONTROL," Revision 2, Dated 31 Dec 2000

Encl: (1) ACN 2/A to NSTM 079 Volume 2 Revision 2

1. This letter provides enclosure (1), Advance Change Notice (ACN) 2/A (NSWC Port Hueneme control number N00024-04-DS05) to reference (a). This ACN will be incorporated into the next revision. Recipients are requested to incorporate the following changes provided by enclosure (1):

Remove
Appendix B-1

Insert
Appendix B-1

a. Note: Do not remove Appendix B-2.

2. This ACN changes the method of manual plotting used by shipboard damage control personnel. It implements Rapid Plotting, which replaces the triangle symbology system. For more information on Rapid Plotting, visit <http://www.dcfp.navy.mil/rp/rp.htm> or <http://www.dcfp.navy.mil> and click on the "Rapid Plotting" link to view the ACN and Rapid Plotting information including: Message Blanks for Each ship class, Examples of the plotting methods and a training PowerPoint presentation.

3. This ACN does not authorize modification of existing Government contracts, project orders, work requests or allotments. Therefore, requests must be made to cognizant authorities for authorization and funding as may be required to accomplish this ACN. Cognizant authorities are requested to authorize, transition, and implement this ACN as rapidly as possible.

4. The NAVSEA point of contact is Mr. Hank Kuzma, NAVSEA 05P4, DSN: 326-3634, commercial (202) 781-3634, email: kuzmahj@navsea.navy.mil. This letter may be downloaded at <http://www.dcfp.navy.mil>

D.M. McCrory
by direction

Subj: ADVANCE CHANGE NOTICE (ACN) 2/A TO NSTM 079V2R2 - CHANGES TO DAMAGE
CONTROL MANUAL PLOTTING

Distribution:

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NRL (6180)
CNET (T233) (T223)
SWOSCOLCOM (70)
NETC NEWPORT RI (70)
FTC MAYPORT FL (N5)
FTC SAN DIEGO CA (N75)
FTC NORFOLK VA (N333)
NSWC, Port Hueneme, CA (Code 5B32)

Blind copy to:

SEA 04M1
04R
05P
05P4 (file, H. Kuzma)
05Z4
08E

APPENDIX B**STANDARD SYMBOLOGY FOR DAMAGE CONTROL RAPID PLOTTING AND COMPUTER CASUALTY
REPORTING AND PLOTTING****079-B.1 CONTENTS AND USAGE**

Appendix B contains two sections: Appendix B-1, Standard Symbology for Damage Control Rapid Plotting, is for ships that have only hardcopy damage control diagrams for manual plotting. Appendix B-2, Standard Symbology for Damage Control Computer Casualty Reporting and Plotting, is for ships that have computers for damage control. Computer-generated symbology and casualty plotting replaces manual grease pencils and DC diagrams with advanced icons. Computer-generated symbology should be used as a stand-alone tool in DC Central, as a damage control organization communication tool or as a command structure damage control tool (depending on the level of automation within the ship).

APPENDIX B-1

STANDARD SYMBOLOGY FOR DAMAGE CONTROL RAPID PLOTTING

FIRE BOUNDARIES

Explanation	Example
<div><div><div>FB</div><div>(Primary and Secondary Boundaries)</div></div><div><div>FB</div><div>Fire Boundaries Set</div></div></div>	<div><div><div>FB</div><div>SPPS 2221 7407 0505</div></div><div><div>FB</div><div>SPPS 2221 7407 0505</div></div></div>

Figure 079-B-1 Rapid Plotting Symbolology (1 of 28)

SMOKE BOUNDARIES

Explanation	Example
<div><div><div>SB</div><div>(Primary and Secondary Boundaries)</div></div><div><div>SB</div><div>Smoke Boundaries Set</div></div></div>	<div><div><div>SB</div><div>SPPS 2221 7407 0505</div></div><div><div>SB</div><div>SPPS 2221 7407 0505</div></div></div>

Figure 079-B-1 Rapid Plotting Symbolology (2 of 28)

FLOODING BOUNDARIES



Explanation		Example	
<u>FLB</u> (Primary and Secondary Boundaries)	Flooding Boundaries Ordered	<u>FLB</u> SPPS 2221 7407 0505	
	Flooding Boundaries Set	 SPPS 2221 7407 0505	

Figure 079-B-1 Rapid Plotting Symbology (3 of 28)

CASUALTY BOUNDARIES

Primary and secondary casualty boundaries are set around multi-casualty areas caused by a significant event, such as a missile strike.

Explanation	Example
<div><div><div>CB</div><div>(Primary and Secondary Boundaries)</div></div><div><div>CB</div><div>Casualty Boundaries Ordered</div></div></div> <div><div>CB</div><div>Casualty Boundaries Set</div></div>	<div><div><div>CB</div><div>SPPS 2221 7407 0505</div></div><div><div>CB</div><div>SPPS 2221 7407 0505</div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (4 of 28)

FIRE (Class A, B, C, or D)

Explanation	Example
<div><div><div>A</div><div>(Time)</div></div><div>Class ALPHA Fire Reported</div></div> <div><div><div>A</div><div>(Time)</div></div><div>Class ALPHA Fire Engaged</div></div> <div><div><div><div>A</div><div>(Time)</div></div><div>No Class ALPHA Fire</div></div></div>	<div><div><div>A</div><div>1315</div></div><div><div>A</div><div>1319</div></div><div><div><div>A</div><div>1345</div></div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (5 of 28)

SMOKE- BLACK, WHITE, UNKNOWN

Explanation	Example
<div><div><div><u>S</u></div><div>(Color, if known)</div><div>(Time)</div></div><div>Smoke Reported</div></div>	<div><div><div><u>S</u></div><div>Black-1315</div></div></div>
<div><div><div><div>Equipment used</div><div><div>S</div><div>(Time)</div></div></div><div>Smoke Engaged (Method)</div></div></div>	<div><div><div>Water Driven Fan</div><div><div>S</div><div>Black-1325</div></div></div></div>
<div><div><div><div><div>S</div><div>(Time)</div></div></div><div>No Smoke</div></div></div>	<div><div><div>Water Driven Fan</div><div><div>S</div><div>Black-1344</div></div></div></div>

Figure 079-B-1 Rapid Plotting Symbolgy (6 of 28)

FIRE PROTECTION SYSTEMS
AFFF/HALON/HFP/CO2/MAGSPR/WM

Explanation	Example
<div><div><div><u>FPS</u></div><div>Type</div><div>(Time)</div></div><div>Station Manned</div></div>	<div><div><div><u>FPS</u></div><div>AFFF</div><div>1322</div></div></div>
<div><div><div><div><div>FPS</div><div>AFFF</div><div>(Time)</div></div></div><div>Station Activated</div></div></div>	<div><div><div><div><div>FPS</div><div>AFFF</div><div>1340</div></div></div></div></div>
<div><div><div><div><div>FPS</div><div>(Time)</div></div></div><div>No Station</div></div></div>	<div><div><div><div><div>FPS</div><div>AFFF</div><div>1342</div></div></div></div></div>

Figure 079-B-1 Rapid Plotting Symbolgy (7 of 28)

FLOODING

Explanation		Example	
<p><u>FL</u> (Depth)</p>	Flooding Reported (Indicate depth in FT and IN; draw arrow to indicate water rising or decreasing)	<p><u>FL</u> 2 ft.</p>	<p>↑</p> <p><u>FL</u> 3 ft.</p>
<p>(Equipment used)</p> <p><u>FL</u> (Depth)</p>	Flooding Engaged	<p>P-100</p> <p><u>FL</u> 6 in.</p>	<p>P-100</p> <p><u>FL</u> 2 ft.</p>
<p>FL</p>	No Flooding	<p>P-100</p> <p>FL</p>	<p>P-100</p> <p>FL</p>

Figure 079-B-1 Rapid Plotting Symbology (8 of 28)

FIREFIGHTING WATER

Explanation		Example	
<p><u>FFW</u> (Depth)</p>	Firefighting Water Reported (Depth in FT and IN)	<p><u>FFW</u> 4 in.</p>	
<p>(Equipment used)</p> <p><u>FFW</u> (Depth)</p>	Firefighting Water Engaged (Equipment Used)	<p>1½" eductor</p> <p><u>FFW</u> 2 in.</p>	
<p>FFW</p>	No Firefighting Water	<p>FFW</p>	

Figure 079-B-1 Rapid Plotting Symbology (9 of 28)

PROGRESSIVE FLOODING





Explanation	Example
<p><u>PFL</u> (Depth) Progressive Flooding Reported (Depth in FT and IN)</p> <p>(Equipment used)</p> <p> Progressive Flooding Engaged (Depth)</p> <p> No Progressive Flooding</p>	<p><u>PFL</u> 4 in.</p> <p>ESP</p> <p> Progressive Flooding Engaged 2 in.</p> <p> No Progressive Flooding</p>

Figure 079-B-1 Rapid Plotting Symbology (10 of 28)

RUPTURED SYSTEM

JP5/FO/LO/HM/FM/CW/ECW/FW/SW





Explanation	Example
<p><u>R</u> (System) (Location) Rupture Reported (System, if known) (Pinpoint damage)</p> <p>(Rupture Boundaries)</p> <p> Rupture Engaged (System) (Location)</p> <p> No Rupture</p>	<p><u>R</u> FM FM FR 155 STBD, Overhead</p> <p>4-155-2 3-147-9</p> <p> Rupture Engaged FM FR 155 STBD, Overhead</p> <p> No Rupture</p>

Figure 079-B-1 Rapid Plotting Symbology (11 of 28)

STRUCTURAL DAMAGE

Explanation	Example
<div><div><u>STR</u> (Type of damage)</div><div>Structural Damage Reported</div></div>	<div><div><u>STR</u> SAG</div><div>I-Type</div></div>
<div><div><div>STR</div><div>Type of damage</div></div><div>Structural Damage Engaged</div></div>	<div><div><div>STR</div><div>SAG</div><div>I-Type</div></div></div>
<div><div><div>STR</div><div>No Structural Damage</div></div></div>	<div><div><div>STR</div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (12 of 28)

JAMMED ACCESS

Explanation	Example
<div><div><u>J</u> (Fitting type and number)</div><div>Jammed Access Reported</div></div>	<div><div><u>J</u> QAWTD 1-220-2</div></div>
<div><div><div>J</div><div>Jammed Access Engaged</div></div></div>	<div><div><div>J</div><div>QAWTD 1-220-2</div></div></div>
<div><div><div>J</div><div>No Jammed Access</div></div></div>	<div><div><div>J</div><div>QAWTD 1-220-2</div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (13 of 28)

HOLE-OVHD, BHD, DECK





Explanation	Example
<p><u>H</u> (Location; size in FT and IN)</p> <p>Hole Reported</p>	<p><u>H</u> BHD 4 IN FR 96, STBD 2 FT off deck</p>
<p> (Location; size in FT and IN)</p> <p>Hole Engaged</p>	<p> BHD 4 IN FR 96, STBD 2 FT off deck</p>
<p> (Location; size in FT and IN)</p> <p>No Hole</p>	<p> BHD 4 IN FR 96, STBD 2 FT off deck</p>

Figure 079-B-1 Rapid Plotting Symbolology (14 of 28)

COMPARTMENT INFORMATION

Explanation	Example
<p><u>CD</u> Compartment Demolished</p>	<p><u>CD</u></p>
<p><u>NAD</u> No Apparent Damage</p>	<p><u>NAD</u></p>

Figure 079-B-1 Rapid Plotting Symbolology (15 of 28)

COMMUNICATIONS

Explanation	Example
<div><div><div>T</div><div>(Circuit Lost)</div></div><div>Lost Communications Reported</div></div>	<div><div><div>T</div><div>2JZ</div></div></div>
<div><div><div>(Alternate Circuit)</div><div><div>T</div><div>(Circuit Lost)</div></div></div><div>Lost Communications Engaged</div></div>	<div><div><div>X40J</div><div><div>T</div><div>2JZ</div></div></div></div>
<div><div><div><div><div></div><div>T</div></div></div></div><div>No Lost Communications</div></div>	<div><div><div><div><div></div><div>T</div></div></div><div>2JZ</div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (16 of 28)

ELECTRICAL

Explanation	Example
<div><div><div>E</div></div><div>Electrical Power Lost</div></div>	<div><div><div>E</div></div></div>
<div><div><div><div>E</div></div></div><div>Electrical Power Lost Engaged</div></div>	<div><div><div><div>E</div></div></div></div>
<div><div><div><div><div></div><div>E</div></div></div></div><div>No Electrical Power Lost</div></div>	<div><div><div><div><div></div><div>E</div></div></div><div></div></div></div>

Figure 079-B-1 Rapid Plotting Symbology (17 of 28)

ELECTRICAL DAMAGE





Explanation		Example	
<u>ED</u>	Electrical Damage Reported	<u>ED</u>	
	Electrical Damage Engaged		
	No Electrical Damage		

Figure 079-B-1 Rapid Plotting Symbolology (18 of 28)

CASUALTY POWER





Explanation		Example	
<u>CP</u>	Casualty Power Ordered	<u>CP</u>	
	Casualty Power Energized		
	No Casualty Power Energized		

Figure 079-B-1 Rapid Plotting Symbolology (19 of 28)

CASUALTY POWER LOST





Explanation	Example
<u>CPL</u> Casualty Power Lost Reported	<u>CPL</u>
 Casualty Power Lost Engaged	
 No Casualty Power Lost	

Figure 079-B-1 Rapid Plotting Symbology (20 of 28)

MECHANICAL FAILURE





Explanation	Example
<u>M</u> Mechanical Failure Reported	<u>M</u>
 Mechanical Failure Engaged	
 No Mechanical Failure	

Figure 079-B-1 Rapid Plotting Symbology (21 of 28)

MECHANICAL DAMAGE





Explanation	Example
<u>MD</u> Mechanical Isolation Ordered	<u>MD</u>
 Mechanical Isolation Complete	
 Mechanical Isolation Restored	

Figure 079-B-1 Rapid Plotting Symbolology (22 of 28)

PERSONNEL





Explanation	Example
<u>P</u> (Name and Billet if known) Reported	<u>P</u>
 Engaged (Time)	 1315
 No Casualty (Time)	 1345 1315

Figure 079-B-1 Rapid Plotting Symbolology (23 of 28)

WEAPONS / ORDNANCE HAZARDS





Explanation		Example	
(Type)		Torpedo	
<u>WPN</u>	Casualty Reported	<u>WPN</u>	
(Type)		Torpedo	
	Casualty Engaged		
(Time)		1315	
	No Casualty		
(Time)		1335	

Figure 079-B-1 Rapid Plotting Symbology (24 of 28)

TOXIC GAS





Explanation		Example	
<u>TOX</u> (Hazard, if known)	Toxic Hazard Reported	<u>TOX</u> H ₂ S	
	Toxic Hazard Engaged	 H ₂ S	
	No Toxic Hazard	 H ₂ S	

Figure 079-B-1 Rapid Plotting Symbolology (25 of 28)

CHEMICAL CONTAMINATION





Explanation		Example	
<u>CHM</u> (Agent, Location if known)	Chemical Contamination Reported	<u>CHM</u> Mustard FR 96, STBD	
	Chemical Contamination Engaged	 Mustard FR 96, STBD	
	Chemical Decontamination Complete	 Mustard FR 96, STBD	

Figure 079-B-1 Rapid Plotting Symbolology (26 of 28)

BIOLOGICAL CONTAMINATION

Explanation	Example
<div><div>BIO</div><div>(Agent, Location if known)</div></div> <div>Biological Contamination Reported</div>	<div><div>BIO</div><div>Ricin FR 96, STBD</div></div>
<div><div>BIO</div><div>(Agent, Location if known)</div></div> <div>Biological Contamination Isolated</div>	<div><div>BIO</div><div>Ricin FR 96, STBD</div></div>
<div><div>BIO</div><div>(Agent, Location if known)</div></div> <div>Biological Decontamination Complete</div>	<div><div>BIO</div><div>Ricin FR 96, STBD</div></div>

Figure 079-B-1 Rapid Plotting Symbology (27 of 28)

RADIOLOGICAL CONTAMINATION

Explanation	Example
<div><div>NUC</div><div>(Agent, Intensity, Location if known)</div></div> <div>Radiological Contamination Reported</div>	<div><div>NUC</div><div>180R/HR FR 102, STBD</div></div>
<div><div>NUC</div><div>(Agent, Intensity, Location if known)</div></div> <div>Radiological Contamination Engaged</div>	<div><div>NUC</div><div>180R/HR FR 102, STBD</div></div>
<div><div>NUC</div><div>(Agent, Intensity, Location if known)</div></div> <div>No Radiological Contamination</div>	<div><div>NUC</div><div>180R/HR FR 102, STBD</div></div>

Figure 079-B-1 Rapid Plotting Symbology for Damage Control (28 of 28)

079-B-1.1 MANUAL PLOTTING TECHNIQUES. Damage reports received at DC repair stations are to be recorded, plotted and forwarded to DCC. The overall ship's survivability status is illustrated by the plot maintained in DCC. All damage will be plotted on the DC subdivision plates. Additionally, damage to piping systems will be indicated on that system's DC plate by placing an "X" over the damage and drawing a circle around the cut out valves. Three DC rapid plotting techniques are:

1. Line Method (see Figure 079-B-2)

- a. Draw a line from the affected compartment and connect a horizontal line to it.
- b. Plot along the horizontal line.
- c. Continue closing in the circle when updating the same piece of damage (instead of plotting each update separately).

2. Box Method (see Figure 079-B-3)

- a. Draw a line from the affected compartment and create a box.
- b. Plot damage in the box.
- c. Continue closing in the circle when updating the same piece of damage (instead of plotting each update separately).

3. Column Method (see Figure 079-B-4)

- a. Draw a line from the affected compartment and connect a vertical line to it.
- b. Plot damage along the vertical line.
- c. Continue closing in the circle when updating the same piece of damage (instead of plotting each update separately).

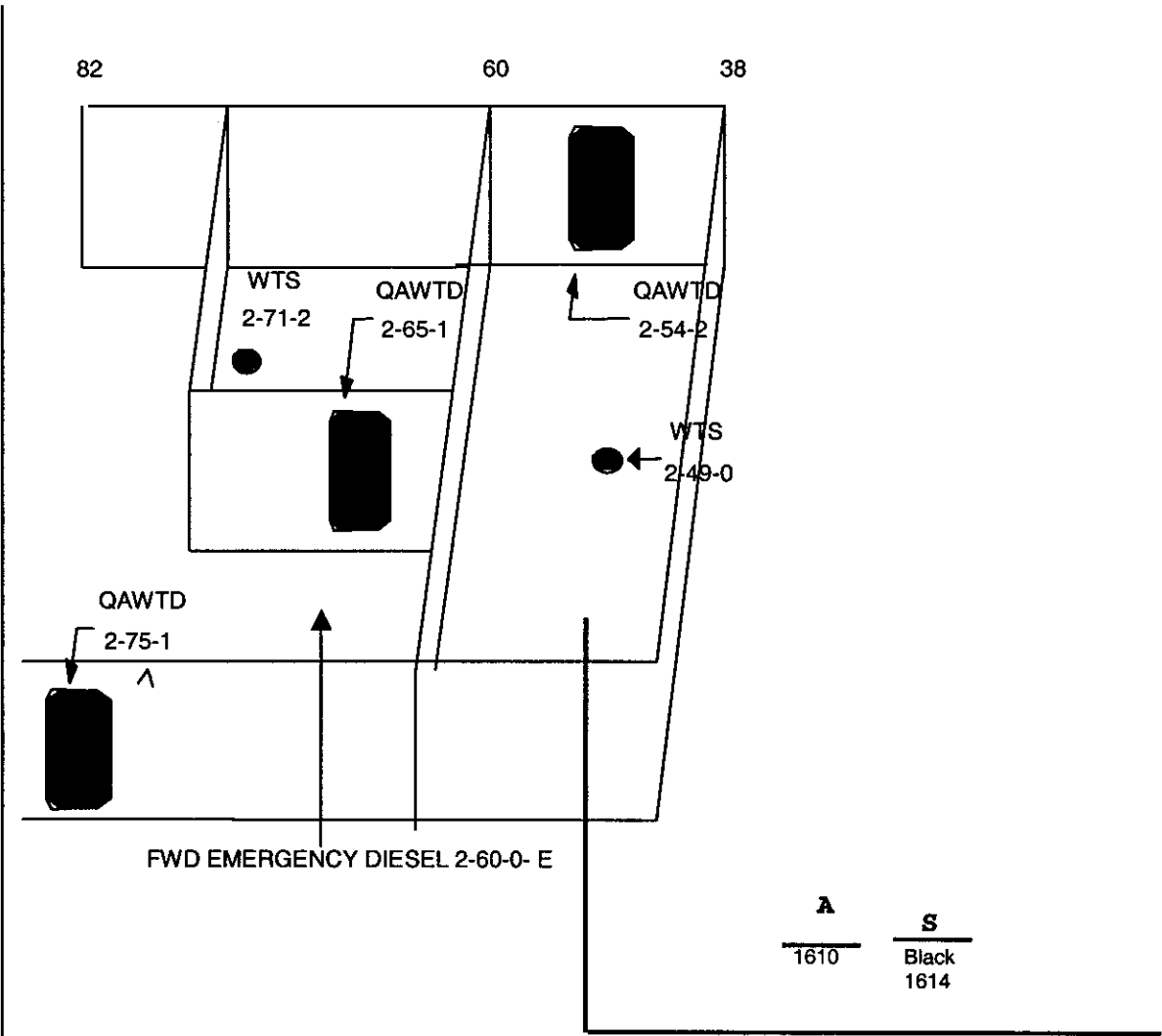


Figure 079-B-2 Line Method of Plotting

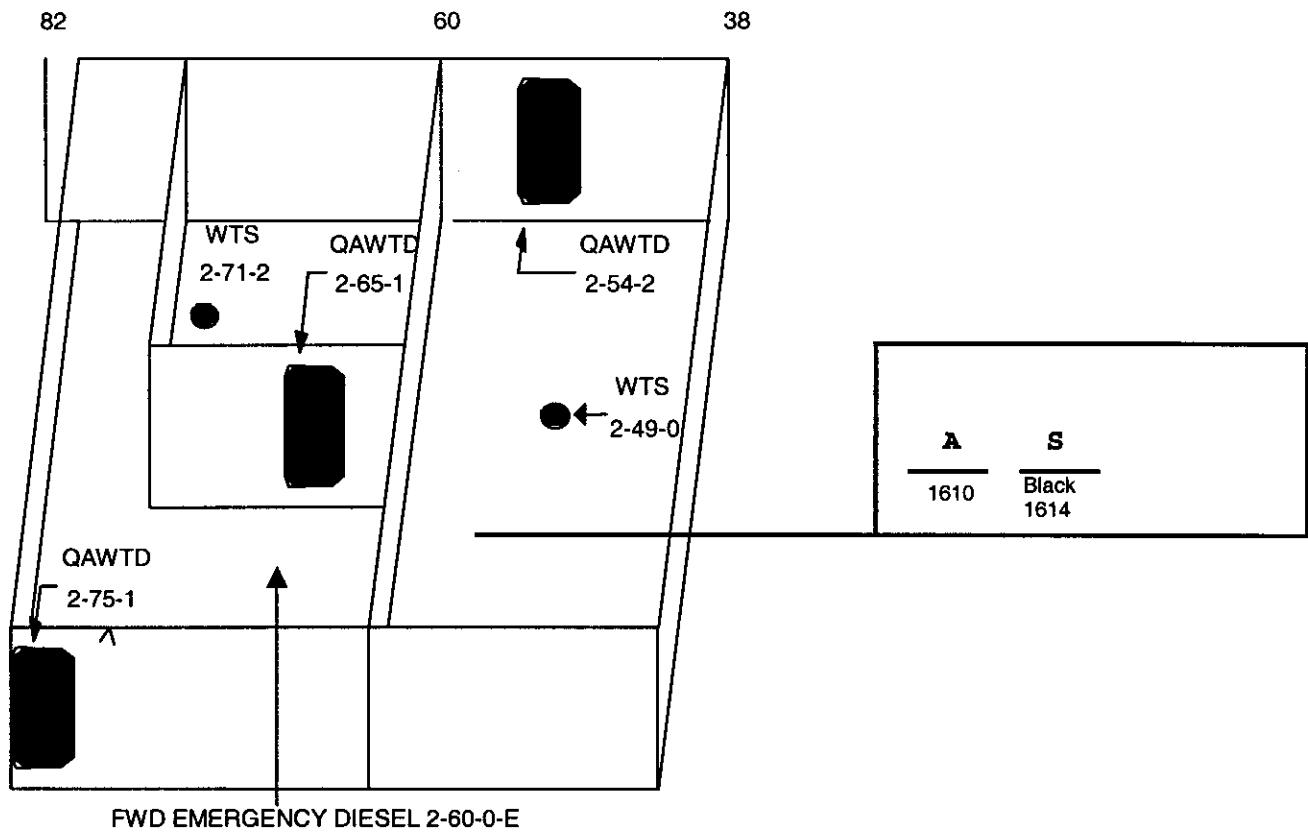


Figure 079-B-3 Box Method of Plotting

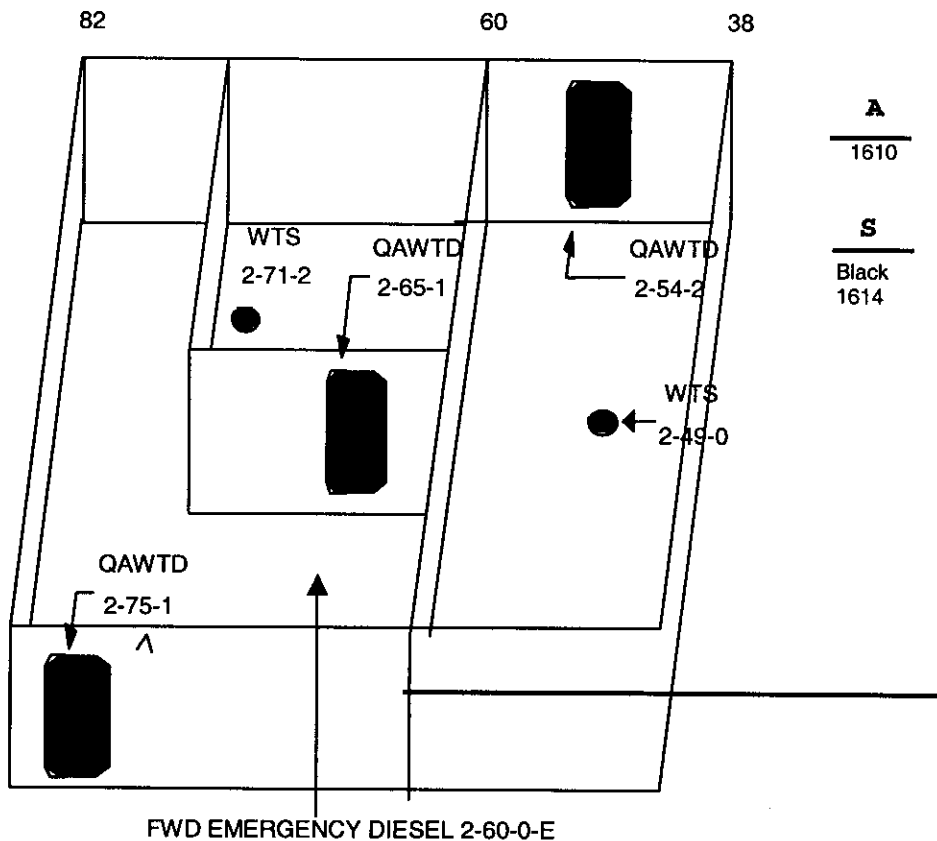


Figure 079-B-4 Column Method of Plotting

079-B-1.2 PREPRINTED MESSAGE FORMAT USE. The preprinted message blanks are used as a backup method of communications between DCC, DC repair stations and repair party members as illustrated in Figure 079-B-5. Preprinted message blanks are available for all major ship classes including Theater Surface Combatants, DDGs, LPDs, LSDs, LPD-17s, CV/CVNs, LHAs, LHDs, MCMs, MHCs and ARSs. The mandatory information required on all these standard message blanks includes the following:

- a. Each message blank contains five sections. They are:
 1. Address section
 2. Casualty space location within ship section
 3. Casualty location within space section
 4. Boundaries section
 5. Casualty report section.

b. Damage should be pinpointed. When applicable, include:

1. Compartment
2. Frame
3. Location
4. Boundaries.

c. All messages must indicate both sender and receiver.

d. Only one report per message blank.

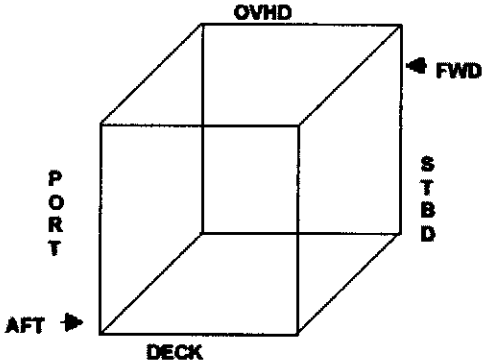
Generic											
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	<div style="display: flex; justify-content: space-between;"> TIME _____ NUMBER _____ </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> FROM _____ TO _____ </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; text-align: center;">FM - INV - SL</div> <div style="width: 40%; border-bottom: 1px solid black;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; text-align: center;">DCRS</div> <div style="width: 40%; border-bottom: 1px solid black;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; text-align: center;">DCRS</div> <div style="width: 40%; border-bottom: 1px solid black;"></div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; text-align: center;">DCC</div> <div style="width: 40%; border-bottom: 1px solid black;"></div> </div> </div> <div style="margin-top: 5px;">COMPT. #/NAME _____</div> <div style="margin-top: 5px;">FRAME _____</div> <div style="margin-top: 5px;">REMARKS:</div>										
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; border-radius: 50%;"></div> </div>											
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; border-radius: 50%; position: relative;"> <div style="position: absolute; top: -5px; left: 5px; right: 5px; bottom: -5px; border: 1px solid black; transform: rotate(45deg);"></div> </div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; padding: 2px;">BOUNDARIES</th> <th style="width: 20px; text-align: center; padding: 2px;">S</th> <th style="width: 20px; text-align: center; padding: 2px;">P</th> <th style="width: 20px; text-align: center; padding: 2px;">P</th> <th style="width: 20px; text-align: center; padding: 2px;">S</th> </tr> <tr> <td style="padding: 2px;">FB - SB - FLB - CB</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	BOUNDARIES	S	P	P	S	FB - SB - FLB - CB				
BOUNDARIES	S	P	P	S							
FB - SB - FLB - CB											

Figure 079-B-5 Damage Control Preprinted Message Blank (1 of 16)

ARS											
<div style="margin-bottom: 20px;">_____</div> <div style="margin-bottom: 20px;">○</div> <div>⊘</div>	<div style="display: flex; justify-content: space-between;"> TIME _____ NUMBER _____ </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> FROM _____ TO _____ </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">_____</div> <div style="width: 40%; text-align: center;">FM - INV - SL</div> <div style="width: 30%;">_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">_____</div> <div style="width: 40%; text-align: center;">DCRS 2</div> <div style="width: 30%;">_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">_____</div> <div style="width: 40%; text-align: center;">DCRS 3</div> <div style="width: 30%;">_____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">_____</div> <div style="width: 40%; text-align: center;">DCC</div> <div style="width: 30%;">_____</div> </div> </div> <div style="margin-top: 10px;"> COMPT. #/NAME _____ FRAME _____ REMARKS: _____ </div> <div style="margin-top: 20px; text-align: center;"> </div> <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">BOUNDARIES</th> <th style="width: 12.5%; text-align: center; padding: 5px;">S</th> <th style="width: 12.5%; text-align: center; padding: 5px;">P</th> <th style="width: 12.5%; text-align: center; padding: 5px;">P</th> <th style="width: 12.5%; text-align: center; padding: 5px;">S</th> </tr> <tr> <td style="padding: 5px;">FB - SB - FLB - CB</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	BOUNDARIES	S	P	P	S	FB - SB - FLB - CB				
BOUNDARIES	S	P	P	S							
FB - SB - FLB - CB											

Figure 079-B-5 Damage Control Preprinted Message Blank (2 of 16)

AS

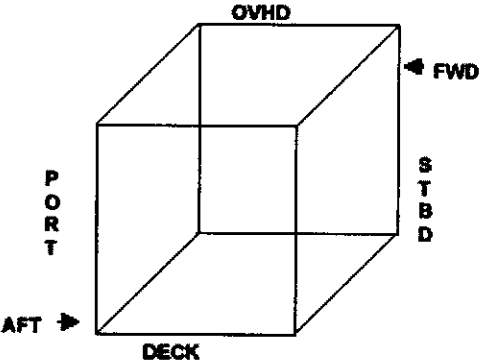
<div></div>	TIME_____	NUMBER_____		
	FROM	TO		
<div></div>	_____	FM - INV - SL		
	_____	DCRS 2		
	_____	DCRS 3A, 3B		
	_____	DCRS 5		
	_____	DCC		
<div></div>	COMPT. #/NAME _____			
	FRAME _____			
<div></div>	REMARKS:			
	<div><div>OVHD</div><div>FWD</div><div>STBD</div><div>DECK</div><div>AFT</div><div>PORT</div></div>			
<div></div>	BOUNDARIES			
	FB - SB - FLB - CB			
	S	P	P	S

Figure 079-B-5 Damage Control Preprinted Message Blank (3 of 16)

CG		
<div style="margin-bottom: 10px;">_____</div> <div style="margin-bottom: 10px;">○</div> <div>⊗</div>	TIME _____ NUMBER _____ FROM _____ TO _____ <div style="border: 1px solid black; padding: 2px; margin: 2px 0;">FM - INV - SL</div> <div style="border: 1px solid black; padding: 2px; margin: 2px 0;">DCRS 2</div> <div style="border: 1px solid black; padding: 2px; margin: 2px 0;">DCRS 3</div> <div style="border: 1px solid black; padding: 2px; margin: 2px 0;">DCRS 5</div> <div style="border: 1px solid black; padding: 2px; margin: 2px 0;">DCC</div> COMPT. #/NAME _____ FRAME _____ REMARKS: _____	
		BOUNDARIES
		FB - SB - FLB - CB
		S
		P
		P
		S

Figure 079-B-5 Damage Control Preprinted Message Blank (4 of 16)

CV

	TIME_____	NUMBER_____
	FROM	TO
	FM - INV - SL	
	DCRS 2, 3, 4, 5	
	DCRS 1A, 1B, 1F	
	DCRS 7A, 7B, 7F	
	DCC	
	DCUL	
	COMPT. #/NAME _____	
	FRAME _____	
	REMARKS:	
<div></div>	<div>OVHD</div> <div>FWD</div> <div>STBD</div> <div>DECK</div> <div>AFT</div> <div>PORT</div> <div></div>	
<div></div>	<div>BOUNDARIES</div> <div>FB - SB - FLB - CB</div> <div>S</div> <div>P</div> <div>P</div> <div>S</div>	

Figure 079-B-5 Damage Control Preprinted Message Blank (5 of 16)

CVN

<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	TIME _____ NUMBER _____				
	FROM _____ TO _____				
	_____ FM - INV - SL _____				
	_____ DCRS 2, 3, 4, 5 _____				
	_____ DCRS 1A, 1B, 1F _____				
	_____ DCRS 7A, 7B, 7F _____				
	_____ DCC _____				
	_____ DCUL _____				
	COMPT. #/NAME _____				
	FRAME _____				
REMARKS:					
<div><div>OVHD</div><div>FWD</div><div>STBD</div><div>DECK</div><div>AFT</div><div>PORT</div></div>					
BOUNDARIES		S	P	P	S
FB - SB - FLB - CB					

Figure 079-B-5 Damage Control Preprinted Message Blank (6 of 16)

DD	
<div style="border: 1px solid black; height: 40px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-bottom: 10px; text-align: center; line-height: 40px;">○</div> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px;">⊗</div>	<div style="display: flex; justify-content: space-between;"> TIME _____ NUMBER _____ </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> FROM _____ TO _____ </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; border-bottom: 1px solid black;"></div> </div> <div style="text-align: center; font-weight: bold; margin-bottom: 2px;">FM - INV - SL</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; border-bottom: 1px solid black;"></div> </div> <div style="text-align: center; font-weight: bold; margin-bottom: 2px;">DCRS 2</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; border-bottom: 1px solid black;"></div> </div> <div style="text-align: center; font-weight: bold; margin-bottom: 2px;">DCRS 3</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; border-bottom: 1px solid black;"></div> </div> <div style="text-align: center; font-weight: bold; margin-bottom: 2px;">DCRS 5</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%; border-bottom: 1px solid black;"></div> <div style="width: 20%; border-bottom: 1px solid black;"></div> </div> <div style="text-align: center; font-weight: bold; margin-bottom: 2px;">DCC</div> </div> <div style="margin-top: 5px;"> COMPT. #/NAME _____ </div> <div style="margin-top: 5px;"> FRAME _____ </div> <div style="margin-top: 5px;"> REMARKS: _____ </div> <div style="text-align: center; margin-top: 20px;"> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%; border-bottom: 1px solid black; font-weight: bold;">BOUNDARIES</div> <div style="width: 40%; display: flex; justify-content: space-around; font-weight: bold;"> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">S</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">P</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">P</div> <div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; line-height: 20px;">S</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%; border-bottom: 1px solid black; font-weight: bold;">FB - SB - FLB - CB</div> </div> </div>

Figure 079-B-5 Damage Control Preprinted Message Blank (7 of 16)

DDG

	TIME_____	NUMBER_____
	FROM	TO
_____	_____	_____
	FM - INV - SL	_____
	DCRS 2	_____
	DCRS 3	_____
	DCRS 5, DCREL 5R	_____
	DCC	_____
	COMPT. #/NAME	_____
	FRAME	_____
	REMARKS:	
<div></div>	<div>OVHD</div> <div><div>PORT</div><div>AFT →</div><div>DECK</div><div>← FWD</div><div>STBD</div></div>	
<div></div>	BOUNDARIES	S P P S
	FB - SB - FLB - CB	

Figure 079-B-5 Damage Control Preprinted Message Blank (8 of 16)

FFG											
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	TIME _____ NUMBER _____										
	FROM _____ TO _____										
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">FM - INV - SL</div> <div style="width: 40%;"></div> </div>										
	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">DCRS 2</div> <div style="width: 40%;"></div> </div>										
	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">DCRS 3</div> <div style="width: 40%;"></div> </div>										
	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">DCRS 5</div> <div style="width: 40%;"></div> </div>										
	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;">DCC</div> <div style="width: 40%;"></div> </div>										
	COMPT. #/NAME _____										
FRAME _____											
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; position: relative;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em;">X</div> </div>	REMARKS:										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">BOUNDARIES</td> <td style="width: 12.5%; text-align: center;">S</td> <td style="width: 12.5%; text-align: center;">P</td> <td style="width: 12.5%; text-align: center;">P</td> <td style="width: 12.5%; text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">FB - SB - FLB - CB</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		BOUNDARIES	S	P	P	S	FB - SB - FLB - CB				
BOUNDARIES	S	P	P	S							
FB - SB - FLB - CB											

Figure 079-B-5 Damage Control Preprinted Message Blank (9 of 16)

LHA	
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	TIME _____ NUMBER _____ FROM _____ TO _____ <div style="border-bottom: 1px solid black; padding: 2px;">FM - INV - SL</div> <div style="border-bottom: 1px solid black; padding: 2px;">DCRS 2, 3, 4, 5</div> <div style="border-bottom: 1px solid black; padding: 2px;">DCRS 1H</div> <div style="border-bottom: 1px solid black; padding: 2px;">DCRS 6A/7A, 8F/7F</div> <div style="border-bottom: 1px solid black; padding: 2px;">DCC</div> <div style="border-bottom: 1px solid black; padding: 2px;">DCUPS</div>
	COMPT. #/NAME _____ FRAME _____ REMARKS: _____
	<div style="border: 1px solid black; width: 100%; height: 15px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; padding: 0 5px;"> BOUNDARIES S P P S </div> <div style="border: 1px solid black; width: 100%; height: 15px; margin-top: 5px;"></div> <div style="padding: 5px;"> FB - SB - FLB - CB </div>

Figure 079-B-5 Damage Control Preprinted Message Blank (10 of 16)

LHD					
<div style="margin-bottom: 10px;">_____</div> <div style="margin-bottom: 10px;">○</div> <div>⊘</div>	TIME _____ NUMBER _____				
	FROM _____ TO _____				
	_____ FM - INV - SL _____				
	_____ DCRS 2A 2F, 2M _____				
	_____ DCRS 3, 4, 5A, 5M _____				
	_____ DCRS 1H, 6A/7A, 8F/7F _____				
	_____ DCC _____				
	_____ DCUPS _____				
	COMPT. #/NAME _____				
	FRAME _____				
REMARKS: _____					
BOUNDARIES		S	P	P	S
FB - SB - FLB - CB					

Figure 079-B-5 Damage Control Preprinted Message Blank (11 of 16)

LPD

<div></div>	TIME_____NUMBER_____	
	FROM	TO
	_____	_____
	_____	_____
	_____	_____
<div></div>	FM - INV - SL	
	DCRS 2	
	DCRS 3A, 3B	
	DCRS 5	
	DCC	
<div></div>	COMPT. #/NAME _____	
	FRAME _____	
	REMARKS:	
<div></div>	<div><div>OVHD</div><div>FWD</div><div>STBD</div><div>DECK</div><div>AFT</div><div>PORT</div></div>	
	<div><div>BOUNDARIES</div><div>FB - SB - FLB - CB</div></div> <div><div>S</div><div>P</div><div>P</div><div>S</div></div>	

Figure 079-B-5 Damage Control Preprinted Message Blank (12 of 16)

LPD17

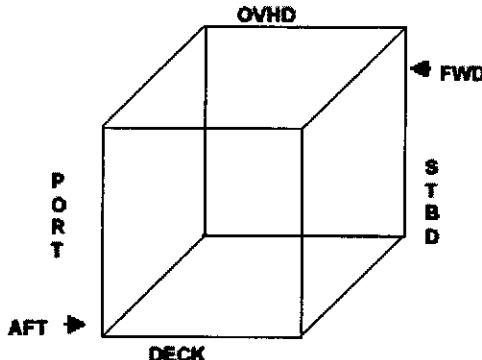
<div style="margin-bottom: 10px;">_____</div> <div style="margin-bottom: 10px;">○</div> <div>⊘</div>		TIME _____	NUMBER _____				
		FROM			TO		
			FM - INV - SL				
			DCREL, DCRS 2				
			DCRS 3P, 3S				
			DCRS 4, 5				
			DCC				
		COMPT. #/NAME _____					
		FRAME _____					
		REMARKS:					
							
	BOUNDARIES		S	P	P	S	
	FB - SB - FLB - CB						

Figure 079-B-5 Damage Control Preprinted Message Blank (13 of 16)

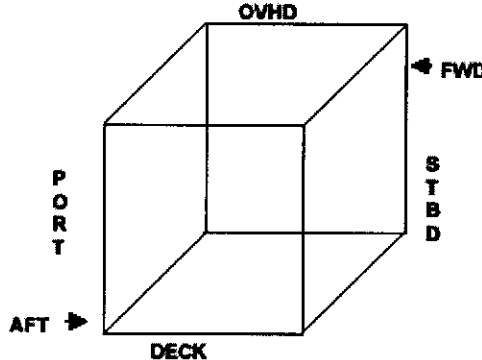
LSD												
<div style="margin-bottom: 10px;">_____</div> <div style="margin-bottom: 10px;">○</div> <div>⊗</div>	TIME _____ NUMBER _____ FROM _____ TO _____ <div style="border-bottom: 1px solid black; margin-bottom: 2px;">FM - INV - SL</div> <div style="border-bottom: 1px solid black; margin-bottom: 2px;">DCRS 2, 4</div> <div style="border-bottom: 1px solid black; margin-bottom: 2px;">DCRS 3A, 3B</div> <div style="border-bottom: 1px solid black; margin-bottom: 2px;">DCRS 5A, 5B</div> <div style="border-bottom: 1px solid black; margin-bottom: 2px;">DCC</div> COMPT. #/NAME _____ FRAME _____ REMARKS: _____											
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">BOUNDARIES</td> <td style="width: 12.5%; text-align: center;">S</td> <td style="width: 12.5%; text-align: center;">P</td> <td style="width: 12.5%; text-align: center;">P</td> <td style="width: 12.5%; text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">FB - SB - FLB - CB</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	BOUNDARIES	S	P	P	S	FB - SB - FLB - CB				
		BOUNDARIES	S	P	P	S						
		FB - SB - FLB - CB										

Figure 079-B-5 Damage Control Preprinted Message Blank (14 of 16)

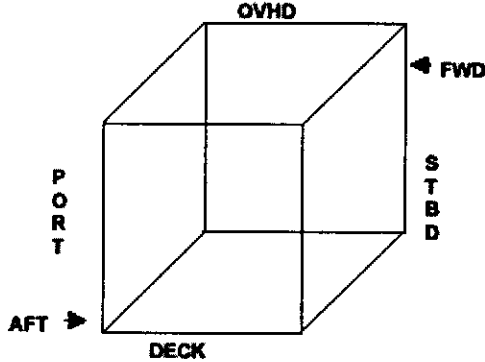
MCM														
<div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 10px auto;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 10px auto; position: relative;"> X </div>	TIME _____	NUMBER _____												
	FROM _____	TO _____												
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 40%; text-align: center; border-bottom: 1px solid black;">FM - INV - SL</div> <div style="width: 30%; border-bottom: 1px solid black;"></div> </div>													
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 40%; text-align: center; border-bottom: 1px solid black;">DCRS 2</div> <div style="width: 30%; border-bottom: 1px solid black;"></div> </div>													
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 40%; text-align: center; border-bottom: 1px solid black;">DCREL</div> <div style="width: 30%; border-bottom: 1px solid black;"></div> </div>													
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 40%; text-align: center; border-bottom: 1px solid black;">R&A</div> <div style="width: 30%; border-bottom: 1px solid black;"></div> </div>													
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 40%; text-align: center; border-bottom: 1px solid black;">DCC</div> <div style="width: 30%; border-bottom: 1px solid black;"></div> </div>													
	COMPT. #/NAME _____													
	FRAME _____													
	REMARKS:													
														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">BOUNDARIES</td> <td style="width: 10%; text-align: center; padding: 5px;">S</td> <td style="width: 10%; text-align: center; padding: 5px;">P</td> <td style="width: 10%; text-align: center; padding: 5px;">P</td> <td style="width: 10%; text-align: center; padding: 5px;">S</td> </tr> <tr> <td style="padding: 5px;">FB - SB - FLB - CB</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					BOUNDARIES	S	P	P	S	FB - SB - FLB - CB				
BOUNDARIES	S	P	P	S										
FB - SB - FLB - CB														

Figure 079-B-5 Damage Control Preprinted Message Blank (15 of 16)

MHC

<div></div>	TIME_____	NUMBER_____
	FROM	TO
	_____	_____
	_____	_____
	_____	_____
<div></div>	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
<div></div>	COMPT. #/NAME _____	
	FRAME _____	
	REMARKS:	
<div></div>	<div><div>OVHD</div><div>FWD</div><div>STBD</div><div>DECK</div><div>AFT</div><div>PORT</div></div>	
	<div><div>BOUNDARIES</div><div>FB - SB - FLB - CB</div></div> <div><div>S</div><div>P</div><div>P</div><div>S</div></div>	

Figure 079-B-5 Damage Control Preprinted Message Blank (16 of 16)

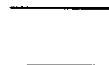


FOR	CASUALTY	SYMBOL			
FIRE	Fire	A,B,C,D	Reported	Engaged	No
FIRE	Smoke	B,W,U	Reported	Engaged	No
FIRE	Firefighting water	FFW	Reported	Engaged	No
FIRE	Fire protection system	AFF,C02,MSSM, Halon,HFP,WM,MD	Manned	Engaged	No
STR	Structural Damage	I, K,H	Reported	Engaged	No
STR	Jammed access	J	Reported	Engaged	No
STR	Hole	BHD,OVHD,DECK	Reported	Engaged	No
FLD	Rupture	JP5,FM,CW,FW,SW,FM,LO,FO,HM,ECW	Reported	Engaged	No
FLD	Flooding	FL	Reported	Engaged	No
FLD	Progressive flooding	PFL	Reported	Engaged	No
COMS	Communications lost	T	Reported	Engaged	No
MECH	Mechanical failure	M	Reported	Engaged	No
MECH	Mechanical damage	MD	Reported	Engaged	No
PER	Personnel casualty	P	Reported	Engaged	No
WPN	Weapons casualty	WPN	Reported	Engaged	No
CBR	Toxic gas	TOX	Reported	Engaged	No
CBR	Chemical	CHM	Reported	Engaged	No
CBR	Biological contamination	BIO	Reported	Engaged	No
CBR	Radiological contamination	NUC	Reported	Engaged	No
INVT	Compartment demolished	CD	Reported	N/A	N/A
ELE	Casualty PWR Ord	CP	Reported	Engaged	No
ELE	Casualty PWR lost	CPL	Reported	Engaged	No
ELE	Ele PWR lost	E	Reported	Engaged	No
ELE	Ele damage	ED	Reported	Engaged	No
INVT	No apparent damage	NAD	Reported	N/A	N/A
BOUND	Smoke boundaries	SB	Ordered	Set	N/A
BOUND	Fire boundaries	FB	Ordered	Set	N/A
BOUND	Flooding boundaries	FLB	Ordered	Set	N/A
BOUND	Casualty boundaries	CB	Ordered	Set	N/A

Figure 079-B-6 Reverse Side of Damage Control Preprinted Message Blank

